

Title (en)

Method of route optimization with dual mobile node in IPV4-only network

Title (de)

Verfahren zur Routen-Optimierung mit einem mobilen Doppelprotokollgerät in einem nur-IPv4 Netz

Title (fr)

Procédé d'optimisation des routes avec un terminal mobile a double protocole dans un réseau uniquement IPv4

Publication

EP 1780977 B1 20081203 (EN)

Application

EP 06122884 A 20061024

Priority

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- IN 1552CH2005 A 20051026

Abstract (en)

[origin: EP1780977A1] A method of achieving route optimization (RO) when a dual capable mobile Internet protocol version 6 (MIPv6) mobile node is connected with an IPv4-only network allows RO of packets to traverse a shorter route than the default one through the home agent (HA) using bidirectional tunneling, and leads to better bandwidth utilization. The method of RO with a dual MIPv6 node in an IPv4-only network includes updating the HA with an IPv4 address of the MN and deregistering a binding update (BU) with a corresponding node (CN) via the HA; informing the CN about its IPv4 address and receiving the CN's IPv4 address in reply; checking reachability of the CN in its IPv4 address using an IPv6-in-IPv4 tunnel; and sending and receiving Ipv6 data packets to/from the CN using a v4 tunnel.

IPC 8 full level

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CPC (source: EP KR US)

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